

Quad Chart (Name JCTD and FYs) [guidelines, example]



Operational Problem:	<u>Capabilities Solution</u> :	FYX
<u>OV-1</u> :	<u>Technologies</u> :	
<u>Participants</u> :	<u>Transition</u> :	
 User Sponsor: Lead Agency: OM: TM: XM: 	<u>Funding</u> :	
Schedule:		





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Quad Chart: Guidelines (Name JCTD and FYs)



A1857-J-7

Operational Problem:

 Describe operational deficiencies / needs within an intelligence or operational organization that cannot be performed or is unacceptably limited

OV-1:

- Operational concept graphic—top-level illustration of JCTD use in operational environment:
 - Identifies the operational elements / nodes and information exchanges required to conduct operational intelligence analysis
 - Serves to support development of the SV-1 architecture
 - Format as a high-level structured cartoon like picture
 - Illustratively describes the CONOP
 - Supports development of the CONOP and TTP

Participants:

- User sponsor: Identify COCOM
- Lead agency: Identify lead service / agency
- OM: Provide name and organization
- TM: Provide name and organization
- XM: Provide name and organization

Schedule:

 Identify major and key events, including technical and operational demonstrations, assessments, exercises and transition events

Capabilities Solution:

- Identifies:
 - Key elements and components (e.g., sensors and processors, communications and systems)
 - Operational organizational components (e.g., local sites and national control centers)
 - Operational interoperability (e.g., external users COCOMs, Services, DHS, International partners)
- Defines:
 - Operational and technical functionality / capabilities
 - Information and technologies usage and sharing (e.g., exportability and classification)

Technologies:

- Identifies key and core technologies for successful technical and operational demonstration of the Capabilities Solution
- Provides Technical Readiness Level (TRL) for each:
 - Baseline at start of JCTD
 - Projection at completion of last operational demonstration

Transition:

- Defines top-level overall transition strategy as Driven by Desired Capabilities, CONOP and Capabilities Solution
- Identifies primary / major potential transition paths:
 - Extended use of incremental capability
 - Follow-on development, production, fielding and sustainment to targeted POR / programs
 - Establishes preliminary top level time frames (i.e., years)

Funding:

- Identifies major funding and sources per year:
 - Identifies organizational funding sponsors, program element and project numbers
 - Identifies direct and dedicated in-kind funding
 - Illustrated in \$Thousands





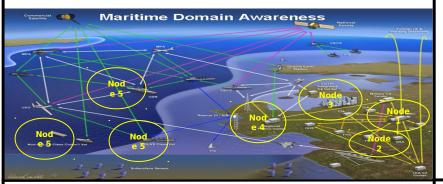
Quad Chart: Example (Name JCTD FY08-10)





Operational Problem:

 Unable to Identify, Prioritize, Characterize and Share Global Maritime Threats in A Timely Manner Throughout Multiple Levels of Security and Between Interagency Partners



Capabilities Solution:

- Combined hardware and software system consusting of:
 - Multi-int Sensor Data, Databases, Fusion Processing Software, Network and Security Services Infrastructure, Ship Tracks, Operational SCI User and UDOP, Archive and Storage, and Alarms and Alert Tools
 - CONOP and TTP

Technologies:

TRL	Today	FY08	
Web and GIS-Compatible	tools	8	9
Knowledge management	module	6	7
Integrated UDOP	7	7	
Integrated software tool	suite	4-6	7
NECC-like architecture	5	8	

Participants:

User Sponsor: NORTHCOMLead Agency: NRL, USN

OM: CAPT Egli
TM: Mr. Burns
XM: Mr. Andress

Schedule:

- **Technical Demonstrations:** fourth quarter of, FY07 and FY08
- Operational Demonstrations: first quarter of, FY08 and FY09
- Operational Utility Assessments: first quarter of, FY08 and FY09
- Extended Use: second quarter of, FY08, pending OUA
- Transition to POR: first quarter of, FY09

Transition:

- Extended use of interim capability: NMIC, NORTHCOM
- Follow-on development, production, fielding, and sustainment: DCGS, NIP, GCCS-I3, NCES

Funding:

	FY08		FY09 FY10	
Navy	4,000	2,000	1,000	
USCG	1,000	500	500	
OSD	5,000	4,000	2,000	
Total	10,000	6,500	3,500	

